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FLUID DISTRIBUTION SURFACE FOR SOLID OXIDE FUEL CELLS

ABSTRACT OF THE DISCLOSURE

An electrode fluid distributor includes a fluid passageway having a plurality of segment pairs each including an inlet segment in fluid communication with an inlet and an outlet segment in fluid communication with an outlet. The fluid passageway may have a length greater than the longest dimension of the distributor. Further, a plurality of fluid passageways may be provided, wherein at least one of the fluid passageways includes at least one turn. A baffle is disposed between adjacent inlet segments and outlet segments of the fluid passageway. Each inlet segment is in fluid communication with adjacent inlet segments and adjacent outlet segments, and each outlet segment is in fluid communication with adjacent outlet segments.